

a weight portion that is connected to the not permanently oscillating transducer, and supported at a position different from the center of gravity of the transducer and the weight portion itself; and

*Final* a detecting section which is formed on the transducer and detects the amount of characteristic corresponding to a torsion of the transducer caused by an angular moment centered on the supporting position of the weight portion upon application of acceleration in one direction to the transducer and the weight portion;

wherein a face of the transducer is made flush with a face of the weight portion, and the base, the transducer and the weight portion are stacked in the height direction.

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